

FIG. 1 is a schematic diagram of a communication system 100. The system includes a Base Transceiver Station (BTS) 110 and two mobile stations, 120 and 130. The BTS 110 is connected to a network (not shown). The mobile stations 120 and 130 are connected to the BTS 110 via radio links. The diagram shows the BTS 110 at the bottom, with four antennas (represented by Y-shapes) pointing upwards. Above the antennas are two sets of concentric arcs, representing radio signals, one set for each mobile station. The mobile station 120 is on the left, and the mobile station 130 is on the right. Both mobile stations have a vertical line representing an antenna. The entire system is labeled 100 at the top.

100

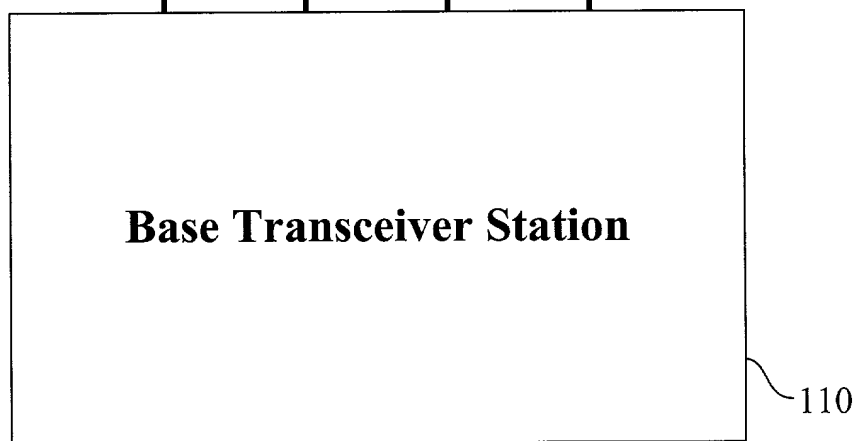
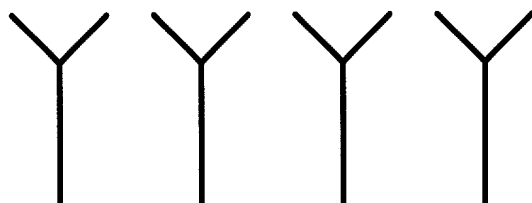
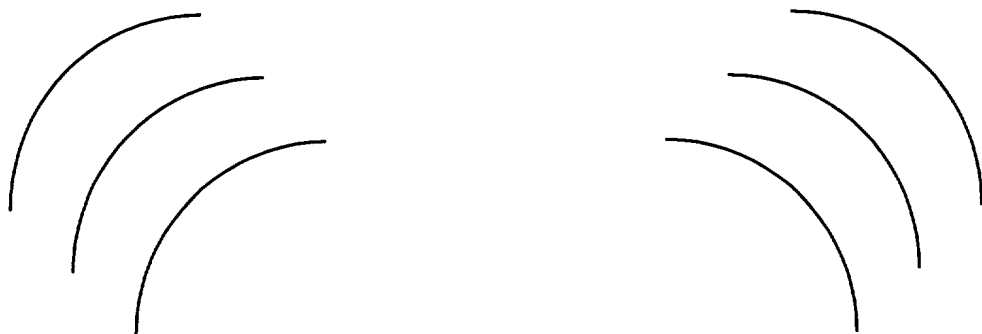
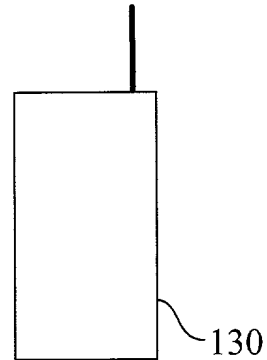
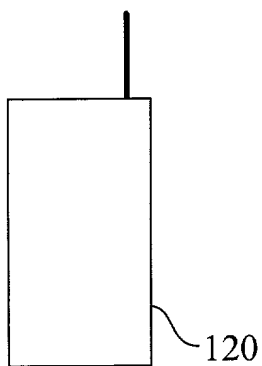


Fig. 1
(Prior Art)

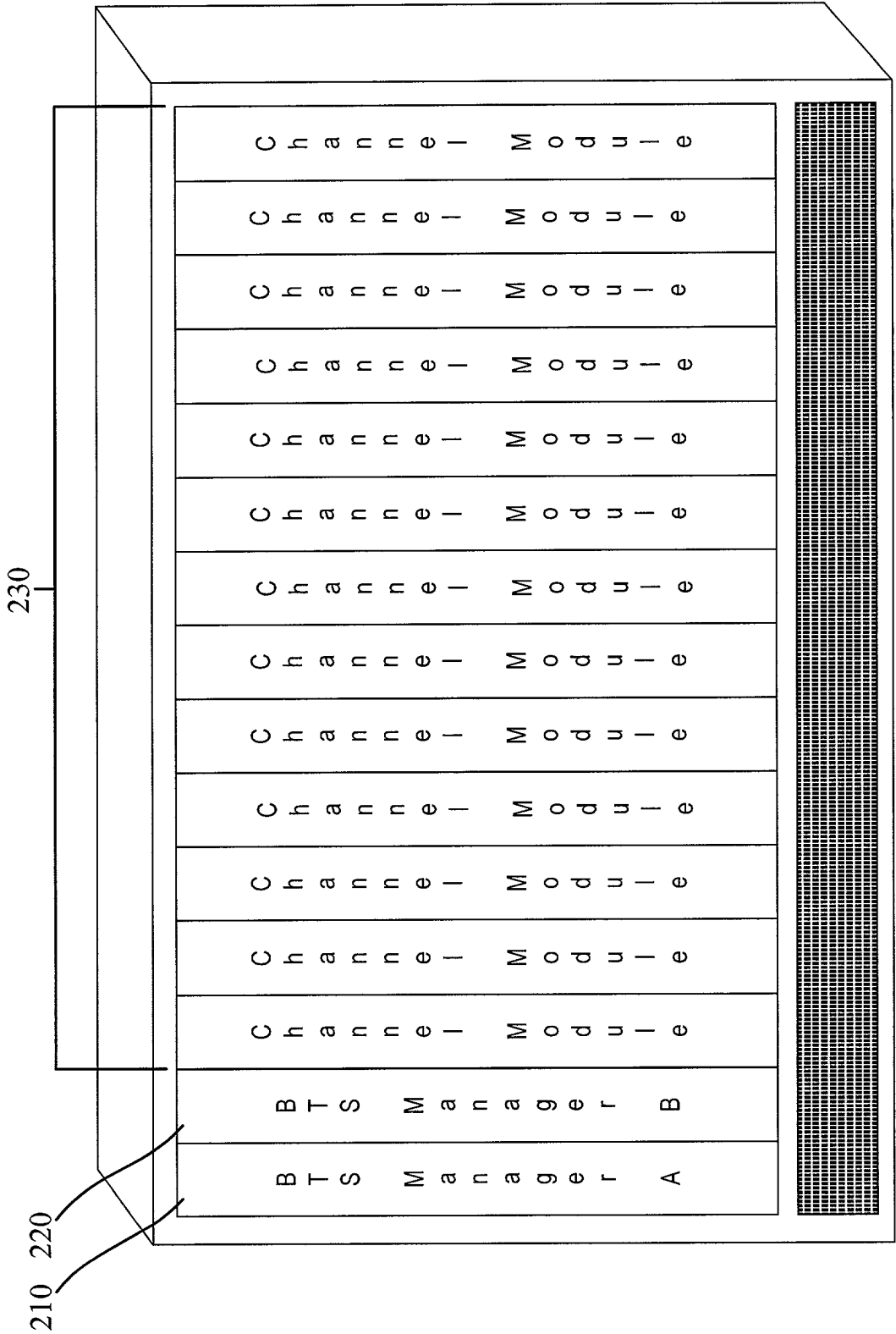


Fig. 2A
(Prior Art)

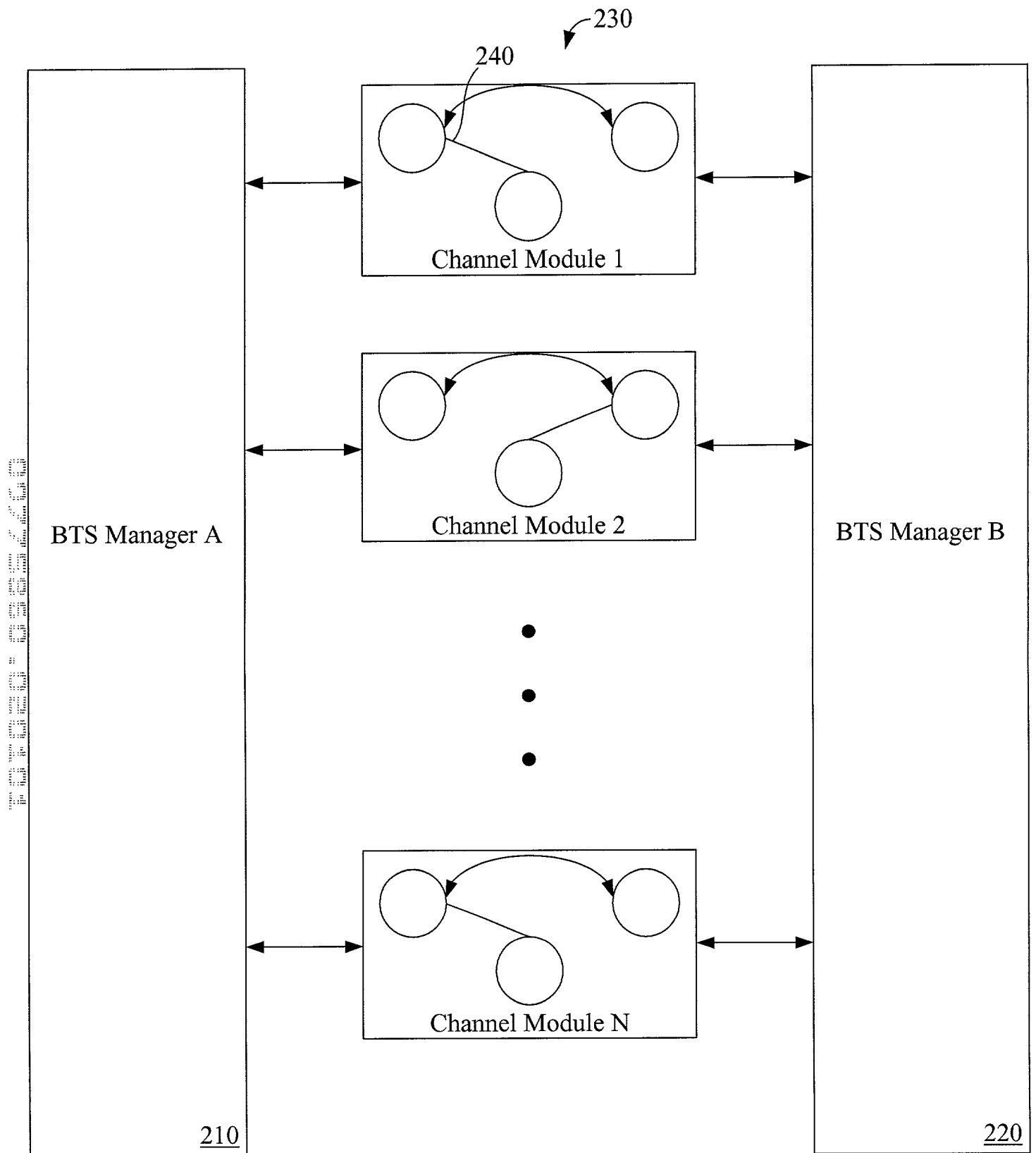


Fig. 2B
(Prior Art)

300

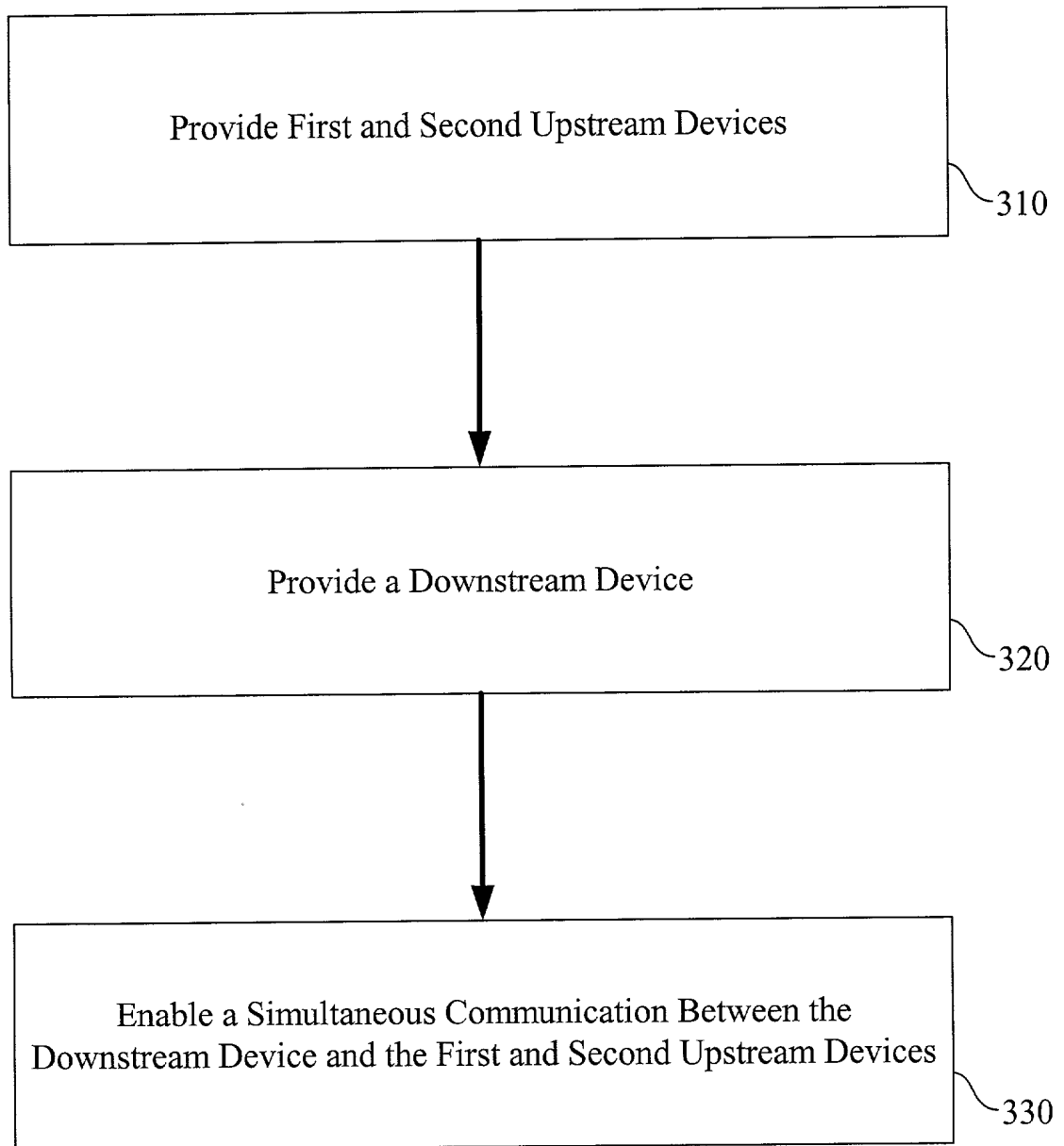


Fig. 3

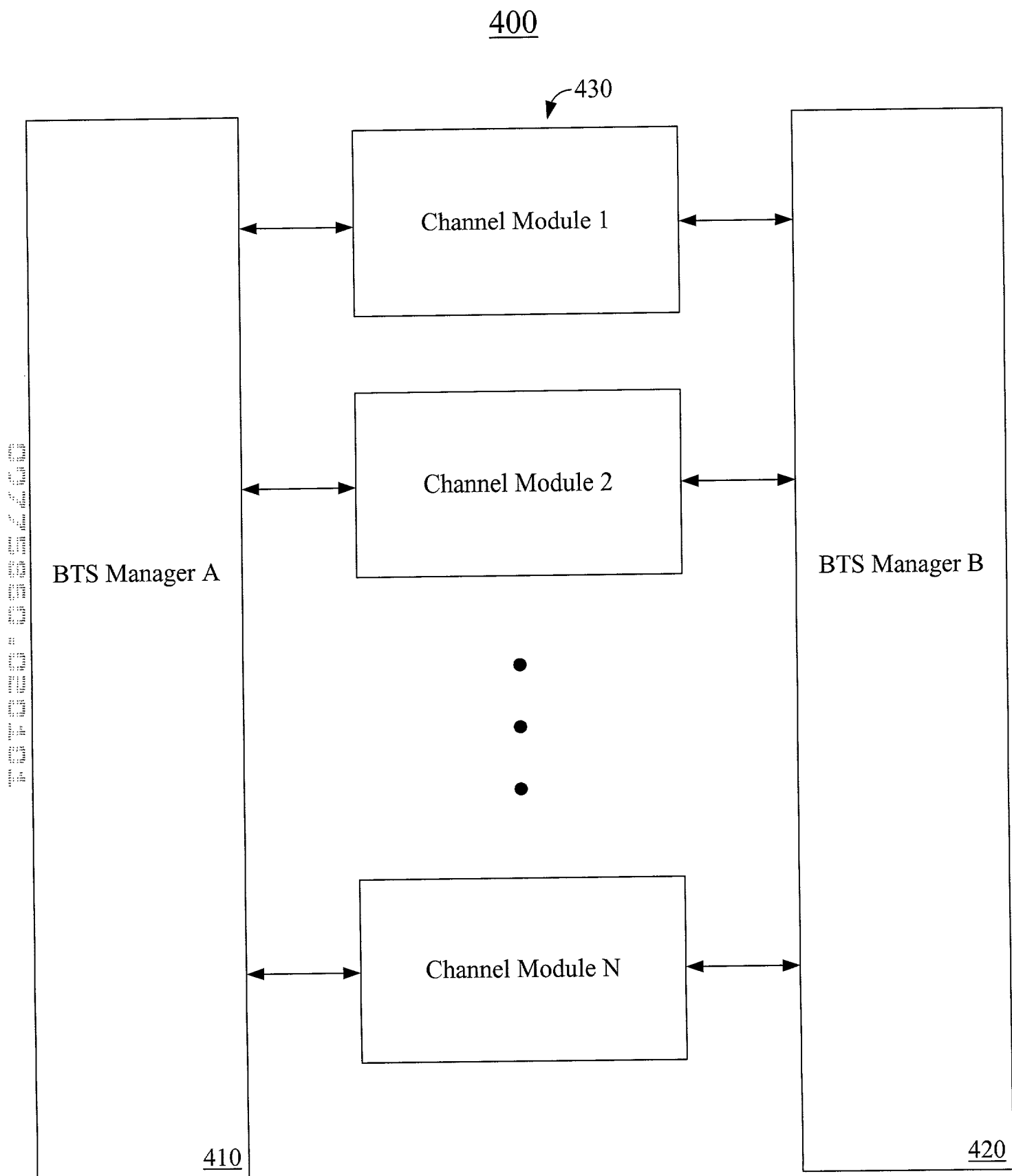


Fig. 4

FIG. 5 is a block diagram of a system 500, according to one embodiment of the present invention. The system 500 includes a BTS Manager A 410, a BTS Manager B 420, and a central processing unit 500. The central processing unit 500 includes a Backplane Interface 510, Local Logic (MAC, PHY, etc.) 520, and RF Circuitry 530. The BTS Manager A 410 is connected to the Backplane Interface 510, and the BTS Manager B 420 is connected to the Backplane Interface 510. The Backplane Interface 510 is connected to the Local Logic 520, and the Local Logic 520 is connected to the RF Circuitry 530.

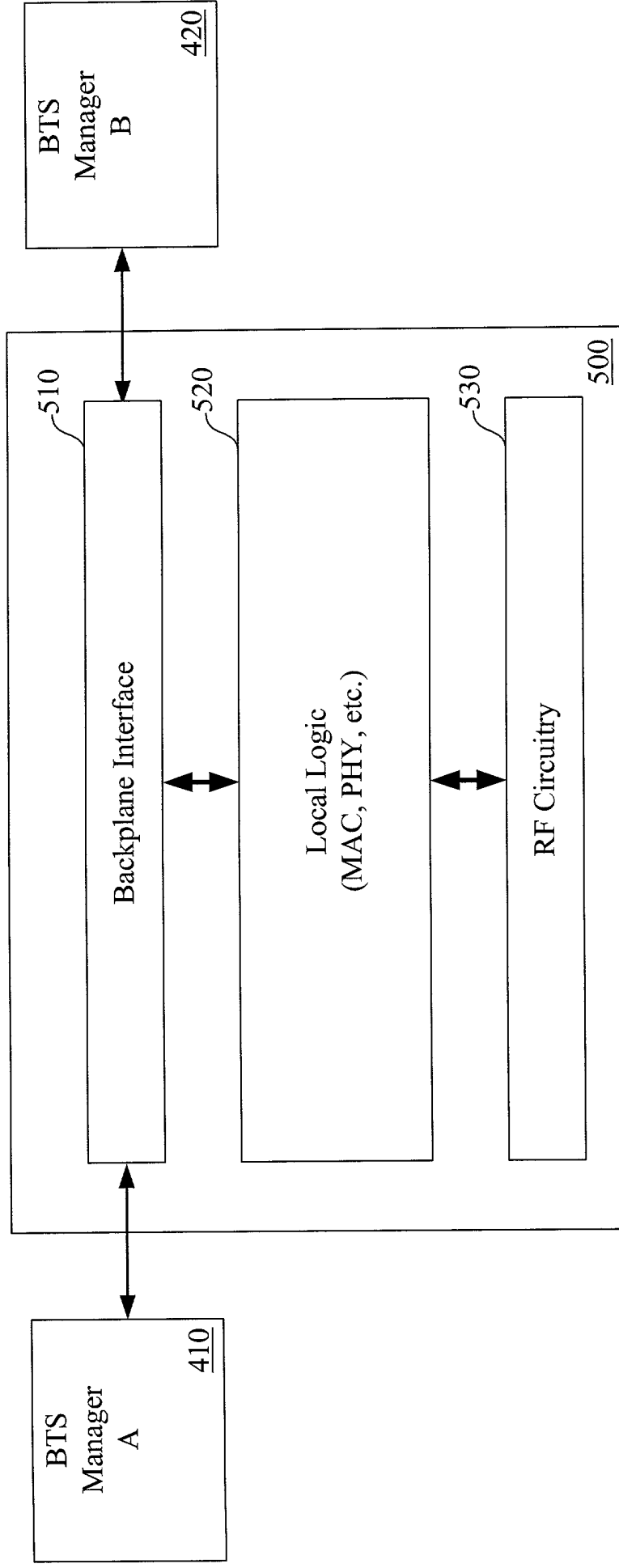


Fig. 5

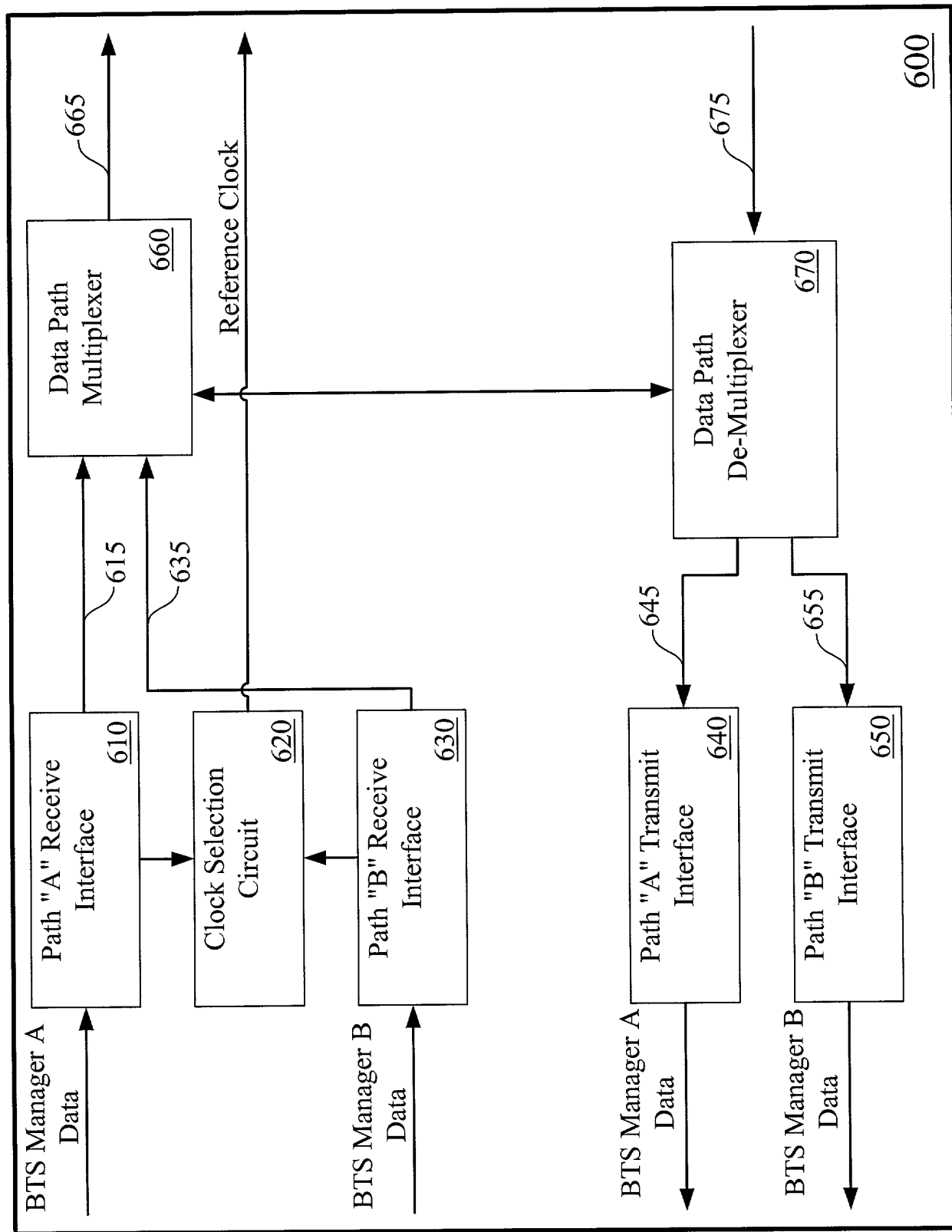


Fig. 6

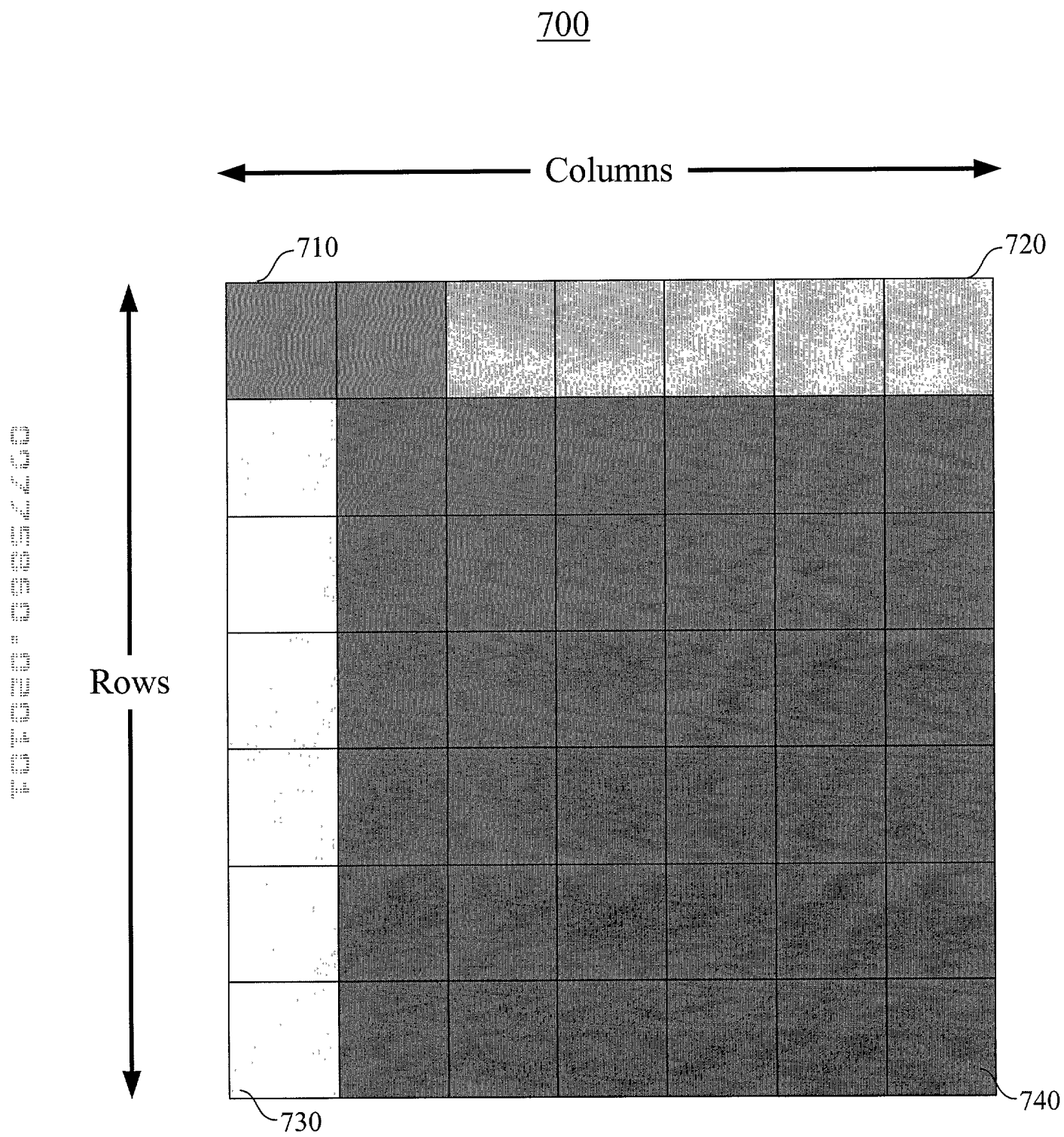


Fig. 7